



FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5010002/RWE/BJDAPPLICATION NO.
09/732,914APPLICANT
CHEO et al.FILING DATE
December 11, 2000GROUP
1636
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE4	5,093,257	03/03/1992	Gray, G.L.			11/01/1989
	AF4	5,159,062	10/27/1992	Knapp et al.			01/19/1990
	AG4	5,286,632	02/15/1994	Jones, D.H.			01/09/1991
	AH4	5,605,793	02/25/1997	Stemmer, W.P.C.			02/17/1994
	AI4	5,650,308	07/22/1997	Baum, J.A.			06/07/1995
	AJ4	5,728,551	03/17/1998	Devine et al.			03/02/1995
	AK4	5,981,177	11/09/1999	Demirjian et al.			01/25/1995

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP4	WO 90/11375	10/04/1990	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>82</u>	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome," <i>Plant J.</i> 7:649-659, BIOS Scientific Publishers (1995).
	AS	<u>82</u>	Backman, K., et al., "Use of Synchronous Site-Specific Recombination In Vivo to Regulate Gene Expression," <i>Biotechnology (NY)</i> 2:1045-1049, Nature Publishing Co. (1984).
	AT	<u>82</u>	Bernard, P., et al., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press Ltd. (1993).

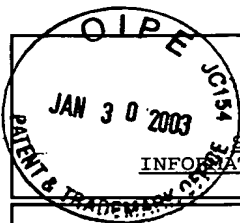
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
JH	AA5	6,080,576	06/27/2000	Zambrowicz et al.			04/08/1998
	AB5	6,143,557	11/07/2000	Hartley et al.			01/20/1999
	AC5	6,270,969 B1	08/07/2001	Hartley et al.			01/20/1999
	AD5	6,361,972 B1	03/26/2002	Harrington et al.			01/10/2000
	AE5	6,410,266 B1	06/25/2002	Harrington et al.			01/07/2000
	AF5	6,410,317 B1	06/25/2002	Farmer, A.A.			07/14/2000
	AG5	6,436,707 B1	08/20/2002	Zambrowicz et al.			03/25/1999
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
JH	AL5	WO 92/22650	12/23/1992	WIPO			Yes No
	AM5	WO 94/03624	02/17/1994	WIPO			Yes No
	AN5	WO 94/09127	04/28/1994	WIPO			Yes No
	AO5	WO 96/40724	12/19/1996	WIPO			Yes No
	AP5	WO 98/53056	11/26/1998	WIPO			Yes No

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JH	AR	83	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Ty1 element retrotransposition," <i>Proc. Natl. Acad. Sci. USA</i> 88:936-940, National Academy of Sciences (1991).
	AS	83	Dale, E.C., and Ow, D.W., "Mutations in the Cre/Lox Recombination Site Enhance the Stability of Recombination Products; Applications for Gene Targeting in Plants," <i>J. Cell. Biochem. 16 (Supplement F):206</i> , Abstract No. Y108, Wiley-Liss (1991).
	AT	83	Davies, J., and Riechmann, L., "An antibody VH domain with a lox-Cre site integrated into its coding region: bacterial recombination within a single polypeptide chain," <i>FEBS Lett.</i> 377:92-96, Federation of European Biochemical Societies (1995).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL6	WO 99/21977	05/06/1999	WIPO			Yes No
	AM6	WO 99/25851	05/27/1999	WIPO			Yes No
	AN6	WO 99/55851	11/04/1999	WIPO			Yes No
	AO6	WO 00/60091	10/12/2000	WIPO			Yes No
	AP6	WO 01/05961 A1	01/25/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>84</u>	Hall, R.M., and Collis, C.M., "Mobile gene cassettes and integrons: capture and spread of genes by site-specific recombination," <i>Mol. Microbiol.</i> 15:593-600, Blackwell Scientific Publications (1995).
	AS	<u>84</u>	Hehl, R., et al., "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Mol. Biol.</i> 16:369-371, Kluwer Academic Publishers (1991).
	AT	<u>84</u>	Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science Publishers (1984).

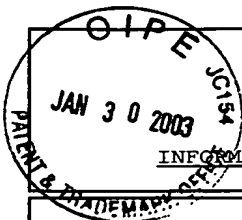
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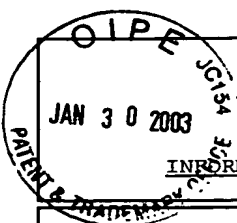
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL7	WO 01/07572 A2	02/01/2001	WIPO			Yes No
	AM7	WO 01/11058 A1	02/15/2001	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>85</u>	Iida, S., et al., "A site-specific, conservative recombination system carried by bacteriophage P1. Mapping the recombinase gene cin and the cross-over sites cix for the inversion of the C segment," EMBO J. 1:1445-1453, IRL Press Limited (1982).
	AS	<u>85</u>	Krafte, D.S., et al., "Stable Expression and Functional Characterization of a Human Cardiac Na ⁺ Channel Gene in Mammalian Cells," J. Mol. Cell. Cardiol. 27:823-830, Academic Press Limited (1995).
	AT	<u>85</u>	Lee, G., and Saito, I., "Role of nucleotide sequences of loxP spacer region in Cre-mediated recombination," Gene 216:55-65, Elsevier Science B.V. (August 1998).

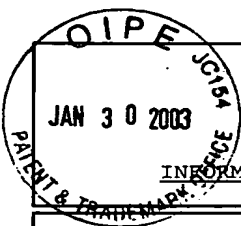
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CHEO *et al.*

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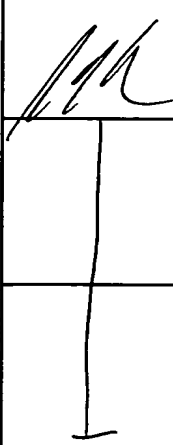
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	AO						Yes No
	AP						Yes No

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	AR	<u>86</u>	Mahillon, J., <i>et al.</i> , "Subdivision of the <i>Escherichia coli</i> K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," <i>Gene</i> 223:47-54, Elsevier Science B.V. (November 1998).
	AS	<u>86</u>	Nagy, A., "Cre Recombinase: The Universal Reagent for Genome Tailoring," <i>Genesis</i> 26:99-109, Wiley-Liss, Inc. (2000).
	AT	<u>86</u>	Qin, M., <i>et al.</i> , "Cre recombinase-mediated site-specific recombination between plant chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 91:1706-1710, National Academy of Sciences (1994).

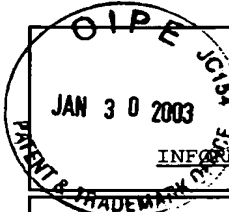
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 FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.5010002/RWE/BJD	APPLICATION NO. 09/732,914
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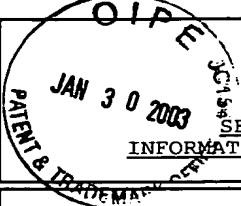
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	AP						Yes No

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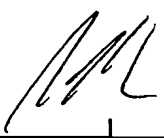

	AR	<u>87</u>	Sauer, B., et al., "Construction of Isogenic Cell Lines Expressing Human and Rat Angiotensin II AT ₁ Receptors by Cre-Mediated Site-Specific Recombination," <i>Methods</i> 4:143-149, Academic Press, Inc. (1992).
	AS	<u>87</u>	Segall, A.M., et al., "Architectural elements in nucleoprotein complexes: interchangeability of specific and non-specific DNA binding proteins," <i>EMBO J.</i> 13:4536-4548, Oxford University Press (1994).
	AT	<u>87</u>	Venkatesh, T.V., and Radding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination Protein β of Phage λ ," <i>J. Bacteriol.</i> 175:1844-1846, American Society for Microbiology (1993).

EXAMINER <i>J. Hutton</i>	DATE CONSIDERED <i>2/4/03</i>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>88</u>	Voziyanov, Y., et al., "A general model for site-specific recombination by the integrase family recombinases," Nucl. Acids Res. 27:930-941, Oxford University Press (February 1999).
	AS	<u>88</u>	Zahra, D.G., et al., "Selectable in-vivo recombination to increase antibody library size - an improved phage display vector system," Gene 227:49-54, Elsevier Science B.V. (February 1999).
	AT		

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